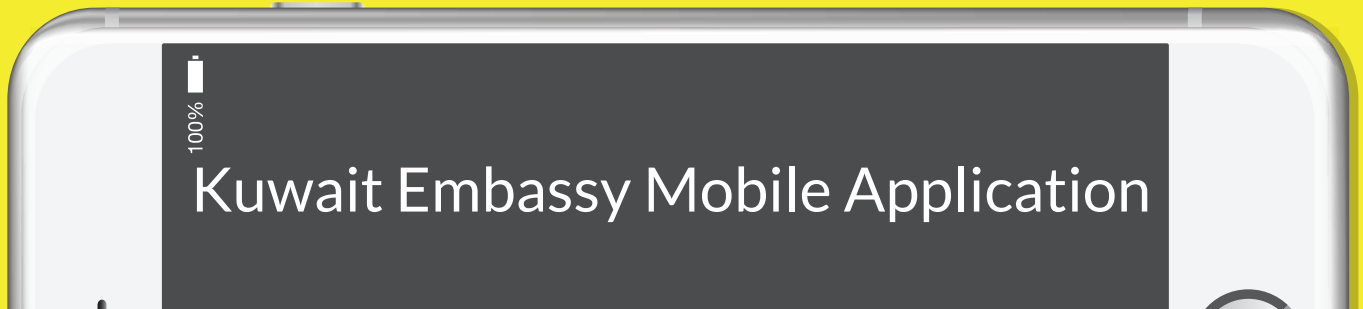


Kuwait Embassy Mobile Application



This statement of work is proprietary of Silver Touch Technologies Ltd. and contains trade secrets and confidential information which is solely the property of Silver Touch Technologies Ltd. This statement of work is intended for internal use only. Therefore, it shall not be used, reproduced, copied, disclosed and transmitted, in whole or in part, without the express consent of Silver Touch Technologies Ltd.

Mobile Application Case Study



Overview

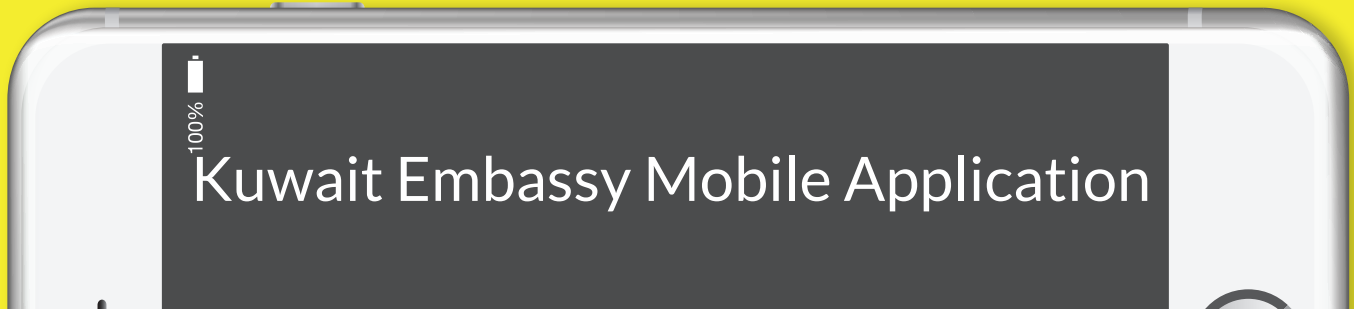
The Ministry of Foreign Affairs, Govt. of Kuwait, required a mobile application that would offer citizen centric services combined with m-governance, on blackberry, Android and iPhone platforms. The main objective of this application is to provide information on the diplomat's missions abroad along with the contact details. It also provides information on foreign missions within Kuwait as well as the abroad missions. The user can easily search for embassy contact details, nearest mission based on current location, and view the location of the embassy using Google maps. This application allows users to get updated news and announcements for select embassies.

User can view list of Embassies available within and outside the Kuwait, by selecting "Embassy Consulates Inside and Embassy Consulates Outside" respectively. Users can also view latest news and announcement listing of Ministry of Foreign Affairs of Kuwait with news heading, published date and thumbnail image.

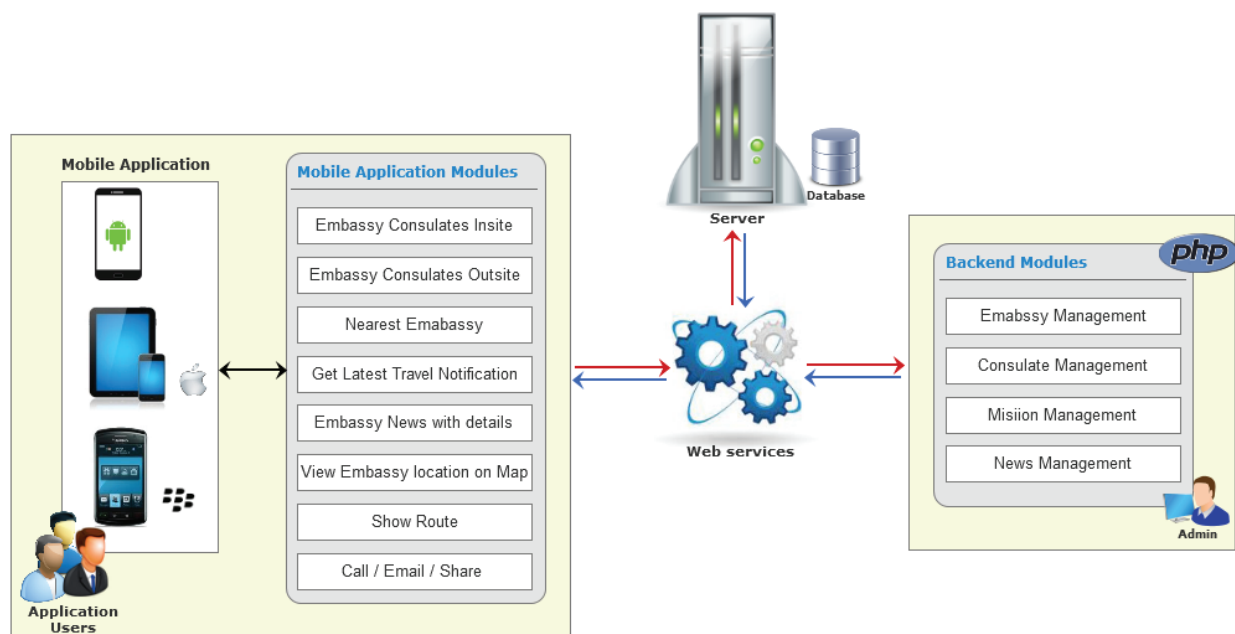
Description

This application has been developed for both English and Arabic language. The user can select the language in which they want to view the application. The application will display information related to consulates, matching it with the user's current location, as well as latest news and updates. The application also offers contact details of the missions in Kuwait and abroad. Users can get latest updated news and contact details of Embassy of Kuwait by selecting Embassies-Consulates, Nearest Embassy, News and Contact Us respectively

Mobile Application Case Study



Application Architecture Diagram



Database Management

Silver Touch has developed backend system using web services development, integration & documentation.

Backend system manages

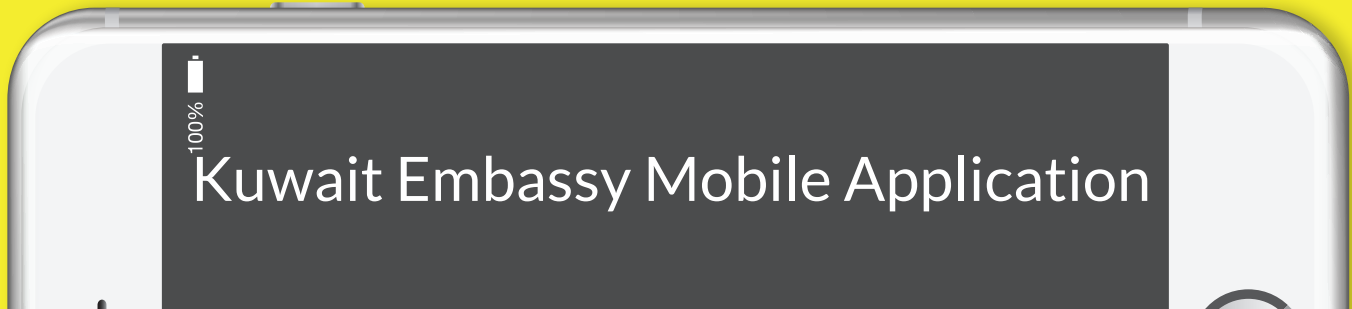
1. News details
2. Embassy / Consulate / Permanent Mission Details

Client had provided all the details related to missions (Embassy / Consulate / Permanent Mission). Silver Touch had to add the required data to the backend system manually once.

The backend system is managed by single admin user, which specifically used to add news for each embassy and the embassy / consulate / permanent mission details.

The entire database and backend panel has been developed by Silver Touch with the necessary web services provided by the Kuwait Embassy, to communicate with mobile application.

Mobile Application Case Study



Key Challenges

1. Database was based on client's business logic, which was not very easy to understand and integrate. This was a challenging solution, which was solved by integrating the database using web services API provided by the client
2. Owing to the small memory space, storing the huge amount of data became difficult. This problem was solved by implementing a timestamp wherein the data was automatically deleted, at regular intervals
3. Integration of push notification across different platforms was difficult, which was solved by implementing push notification method for the different platform API
4. Integrating Google Map API for blackberry could not deliver the same user experience, which is why a native Blackberry Map API was integrated

Project Approach / Activities

The Project was divided into various phases to achieve the best results in less time with optimal utilization of available resources.

Phase I: Project Understanding

Phase II: Mobile technical document and wireframe presentation

Phase III: Application design & design integration

Phase IV: Web services development, integration & documentation

Phase V: Android, iOS and Blackberry application development

Phase VI: Mobile application testing

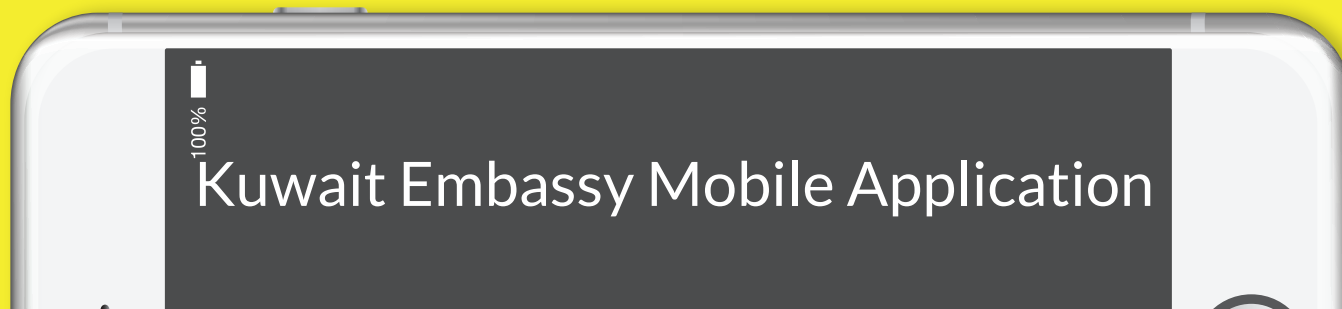
Phase VII: Backend panel development

Phase VIII: Backend testing

Phase IX: Deployment of mobile application on respective mobile stores

Phase X: Backend delivery & deployment

Mobile Application Case Study



Technology

Mobile Application Development Environment

Technology	iOS	Android	BlackBerry
Technology & Framework	iOS 4.0	Android 2.2 Eclipse	BlackBerry IDE 4.6 or later
Language	Objective C	Android OS	BlackBerry OS
Operating System (Development)	MAC	Linux	Windows
Database	SQLite 3.0	SQLite 3.0	Record Store API
Web Server	iTunes Store	Google Play Store	BlackBerry App Store

Portfolio

Visit us at www.semaphore.co.in/downloads/silvertouch to download our complete mobile portfolio.